

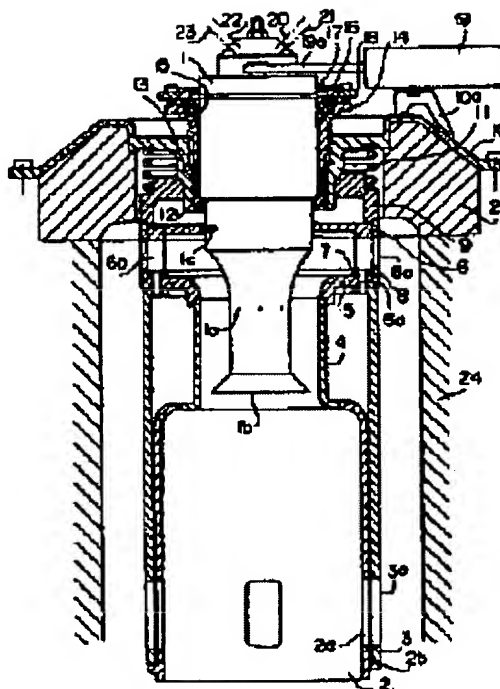
COMBUSTION DEVICE

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Inventor: KUMAKURA HIROTAKE
Applicant: NISSAN MOTOR CO LTD
Classification:
- **international:** F23R3/26; F23R3/12; F23R3/38
- **european:**
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Abstract of JP4244512

PURPOSE: To miniaturize and simplify a cover part of a gas turbine engine combustion device.

CONSTITUTION: A fuel jet valve 1 is rotated around an axis by an actuator 19. Hereby, a dilution air amount controlling cylinder 3 is also rotated around the axis integrally through a swirler body 6 and a pawl part 6a engaged with a protrusion part 1c of the fuel jet valve 1. Thus, an overlapped opening area between an evaporation air intake hole 8a and a swirl production hole 6b and an overlapped opening area between dilution air intake holes 3a, 2a are variably controlled for combustion of a predetermined air/fuel ratio. Hereby, the fuel jet valve 1 functions as an opening area control mechanism without requiring a specific control member to miniaturize and simplify the surroundings of a cover part.



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